

KP-8000

ZEP

ARC TUNER

CASSETTE CAR STEREO
WITH MW/FM-STEREO

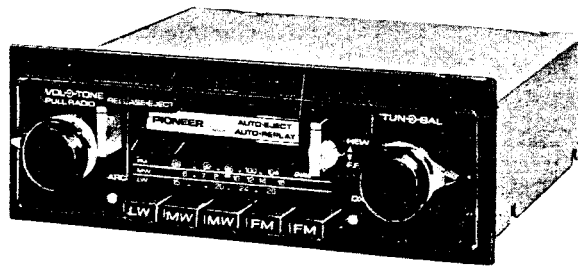
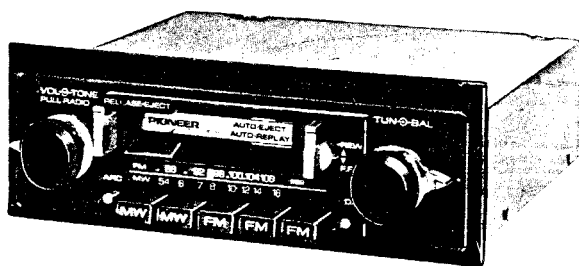
KP-8300

ZEP

ARC TUNER

CASSETTE CAR STEREO
WITH LW/MW/FM-STEREO

SERVICE MANUAL



SPECIFICATIONS

Semi-Conductors	AF: 4IC's, 9 transistors, 12 diodes RF: 4 IC's, 10 transistors, 8 diodes
Controls	Volume/radio sw, tone, balance, tuning, release/eject, fast forward/rewind, ARC sw, DX sw, pre-set buttons
Power Source	DC 13.8V (11~16V allowable)
Grounding	Negative ground system
Cartridge	PHILIPS-type cassette (C-30, C-60, C-90)
Wow and Flutter	No more than 0.3% (WRMS)
Fast Forward Time	No more than 100 sec. for C-60
Fast Rewind Time	No more than 100 sec. for C-60
Power Output	Rated (RMS): 7W
Frequency Response	30~12,000 Hz (−3dB)
Cross Talk	More than 40dB
Signal to Noise Ratio	More than 45dB
Output Impedance	4 Ω (2~8 Ω allowable)

FM ARC TUNER SECTION

Frequency Range	88~108 MHz (KP-8000) 88~104 MHz (KP-8300)
Usable Sensitivity	3.5dB (μ V)
Signal to Noise Ratio	More than 60dB
Capture Ratio	No more than 3dB
Sensitivity	70dB
Image Rejection	56dB
IF Rejection	64dB
Distortion	No more than 1%

Frequency Response	30~12,000 Hz (−3dB)
Muting Level	ARC ON: 20dB, ARC OFF: 5dB
Stereo Separation	25dB
Distance Switch Effect	16dB attenuation, ON-OFF

MW TUNER SECTION

Frequency Range	525~1,605 kHz
Sensitivity	25dB (μ V)
Selectivity	25dB (\pm 10kHz)

LW TUNER SECTION (KP-8300 ONLY)

Frequency Range	150~280 kHz
Sensitivity	50dB (μ V)
Selectivity	20dB (\pm 10kHz)

DIMENSIONS

Main Unit (W x H x D)	180 x 50 x 145 mm
Nose Size (W x H)	105 x 40 mm
Shaft Interval	130 mm
Weight	2 kg

NOISE SUPPRESSOR SECTION

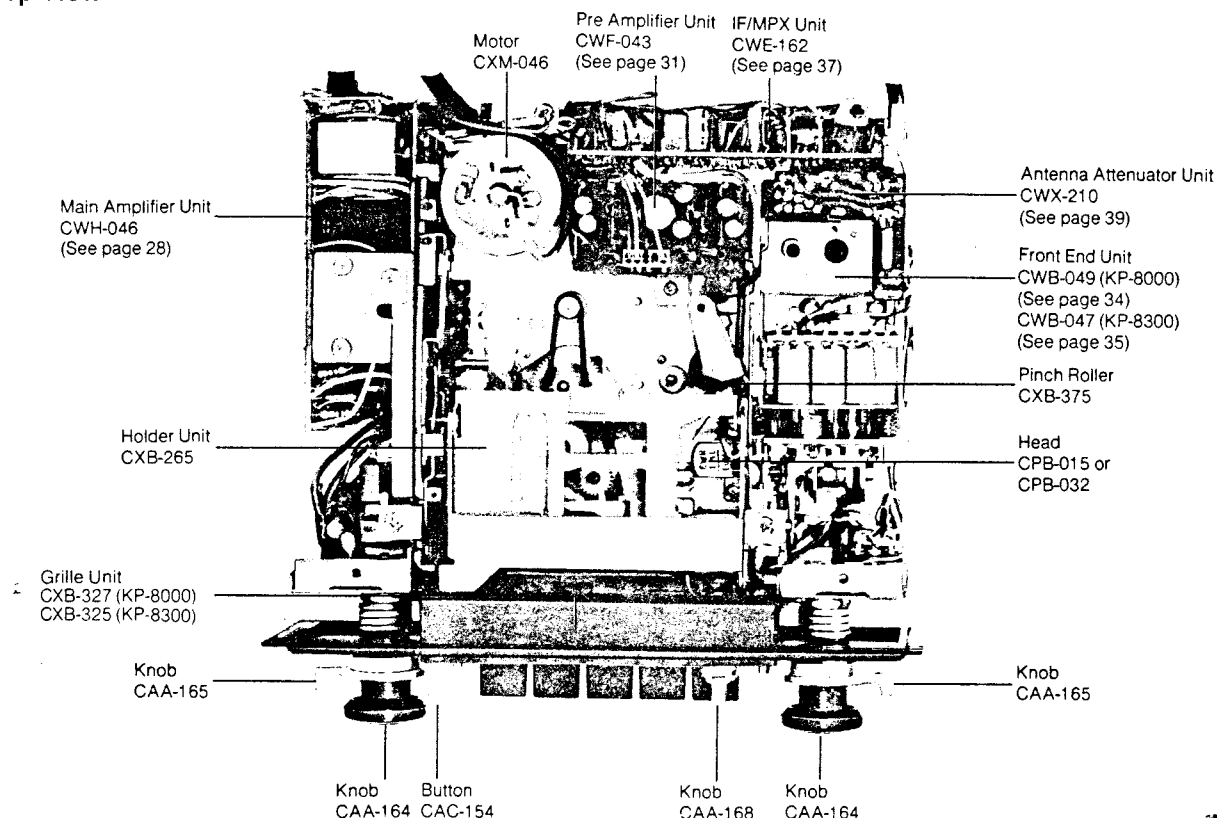
Dimensions (W x H x D)	54 x 26 x 82 mm
Weight	200 g

 **PIONEER®**

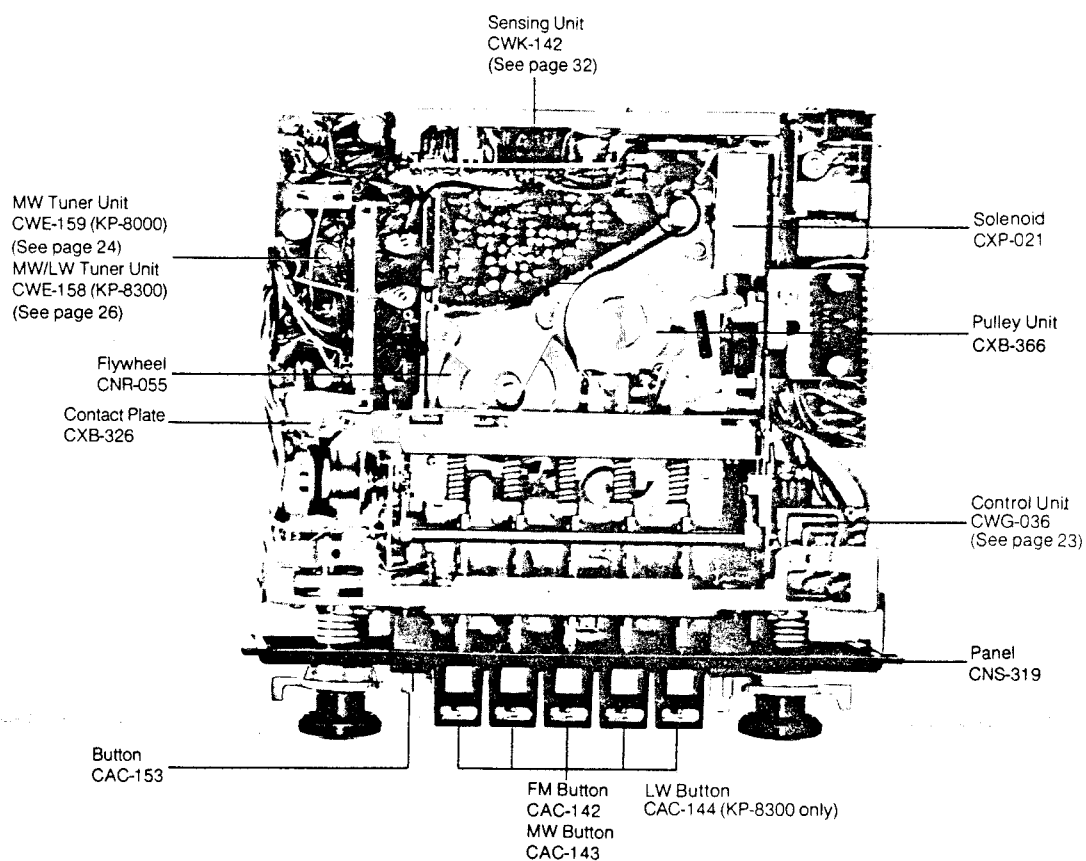
PARTS LOCATION

KP-8000
KP-8300

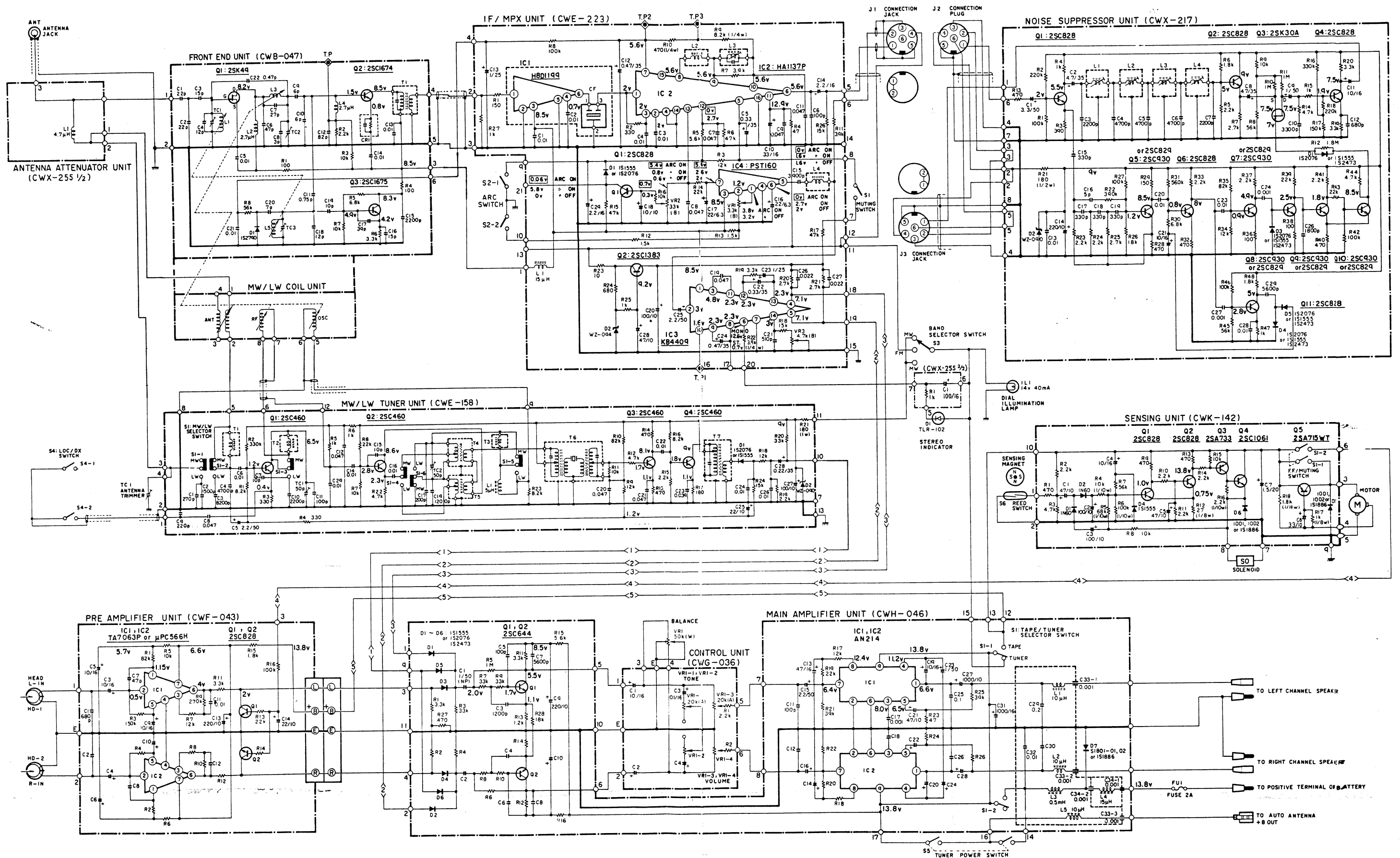
• Top View



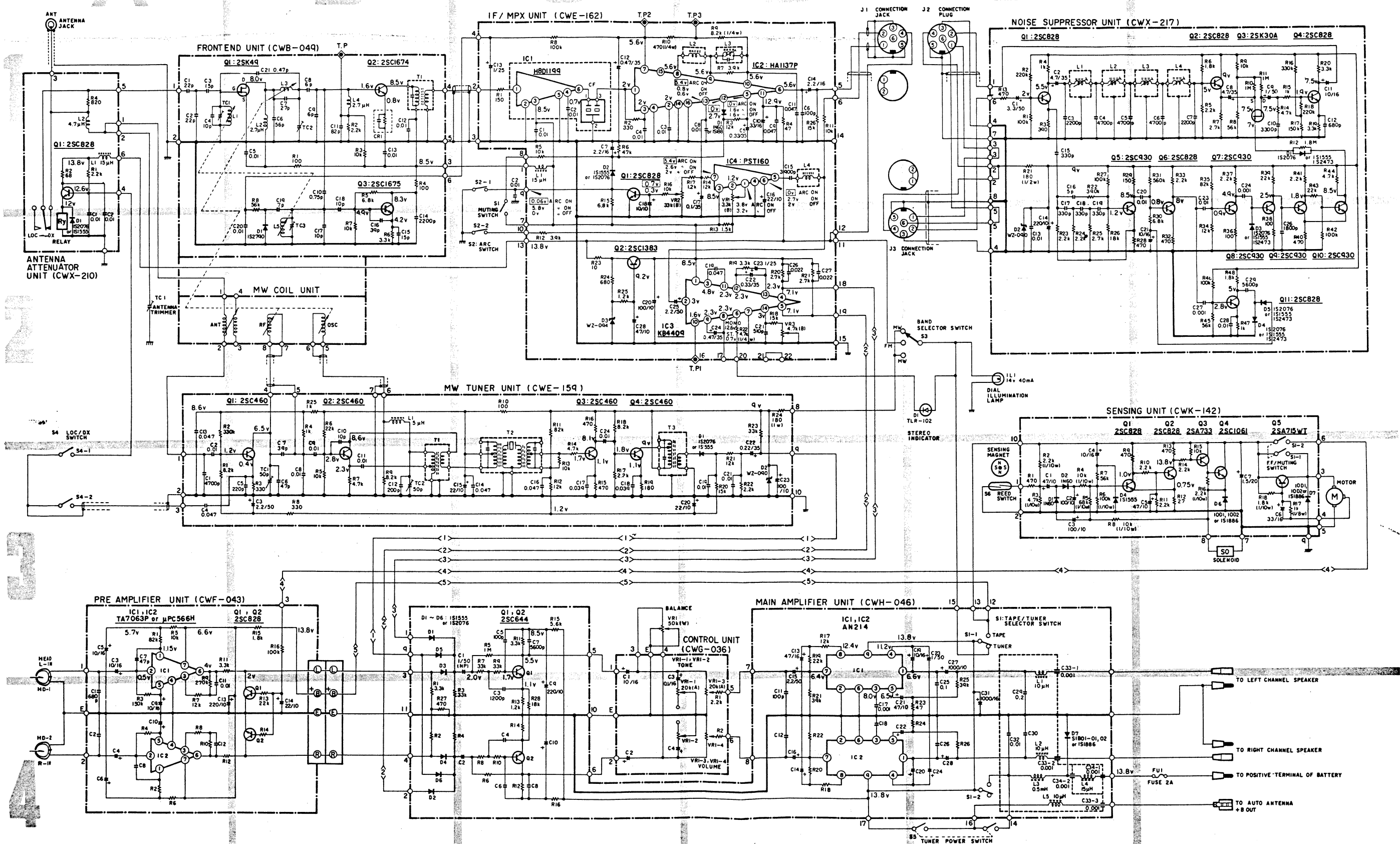
• Bottom View



SCHEMATIC CIRCUIT DIAGRAM (KP-8300)

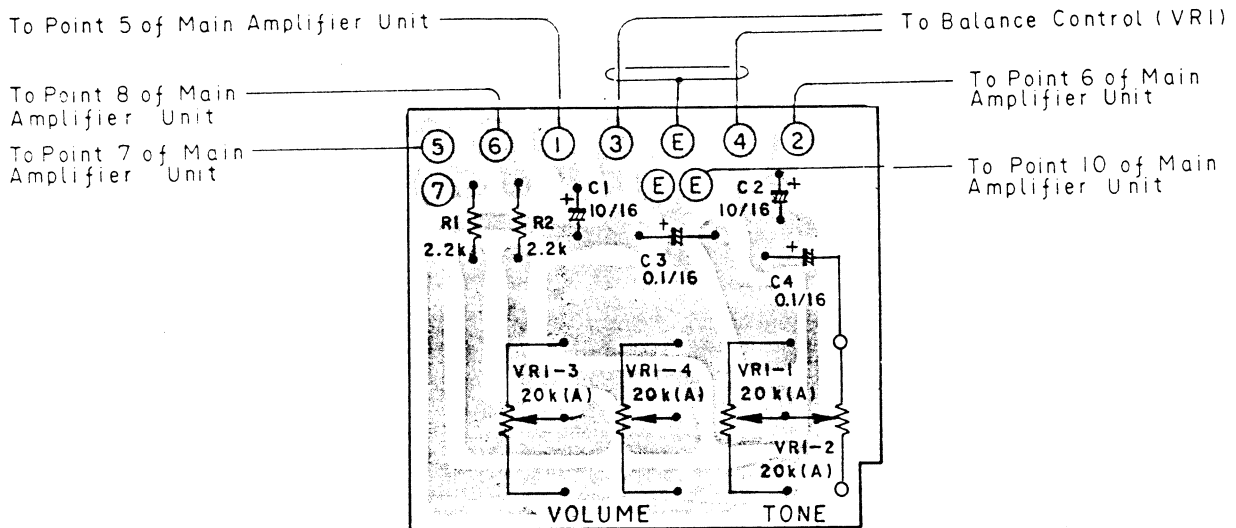


SCHEMATIC CIRCUIT DIAGRAM (KP-8000)



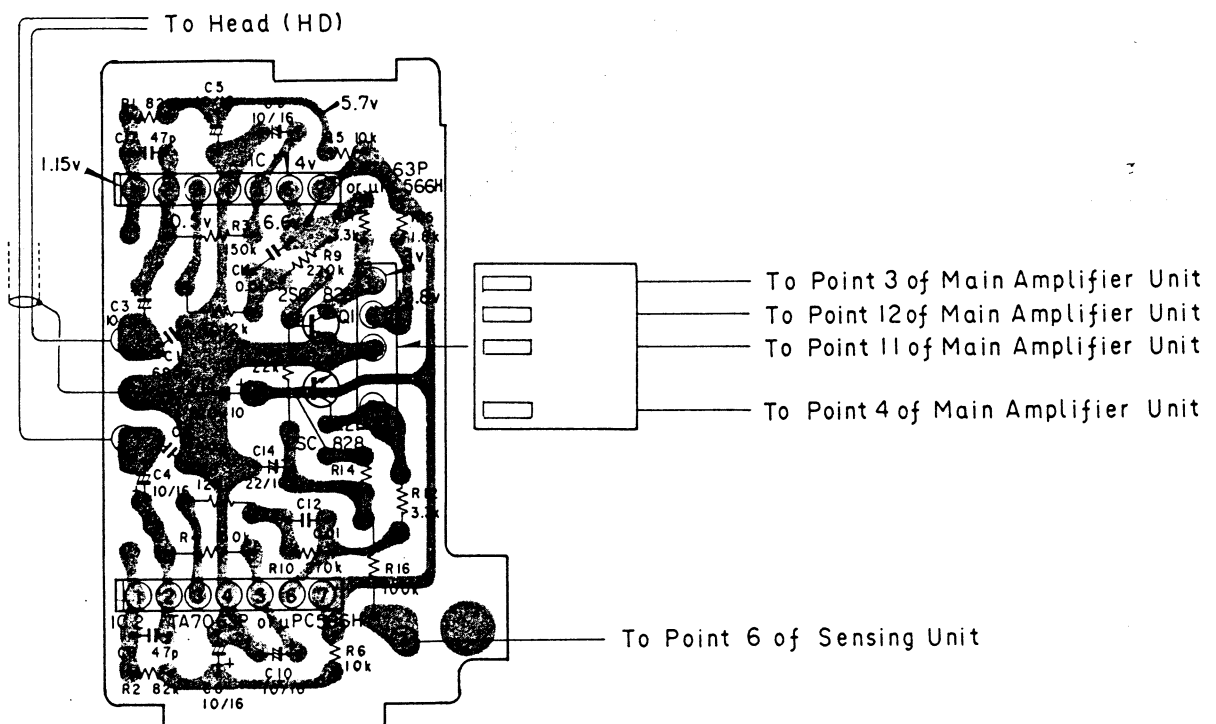
CONTROL UNIT (CWG-036)

• Parts connection



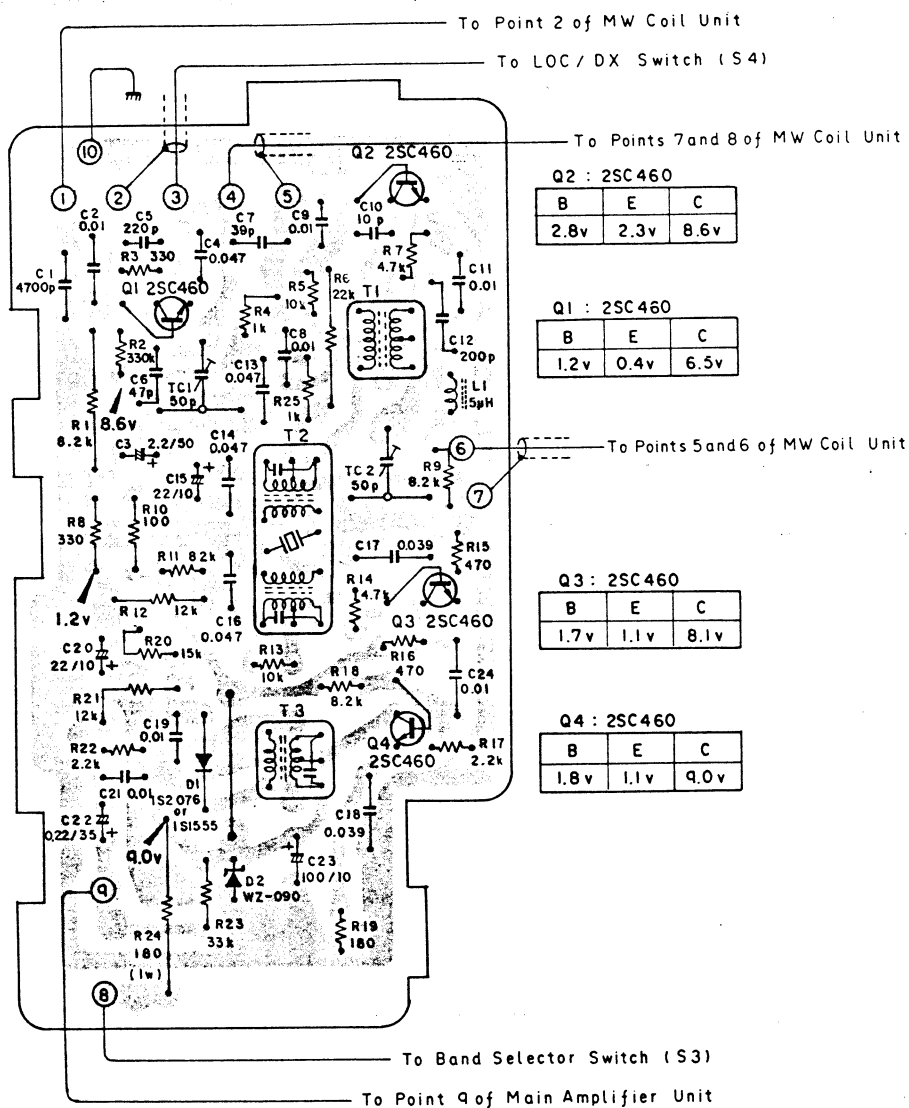
PRE AMPLIFIER UNIT (CWF-043)

• Parts Connection



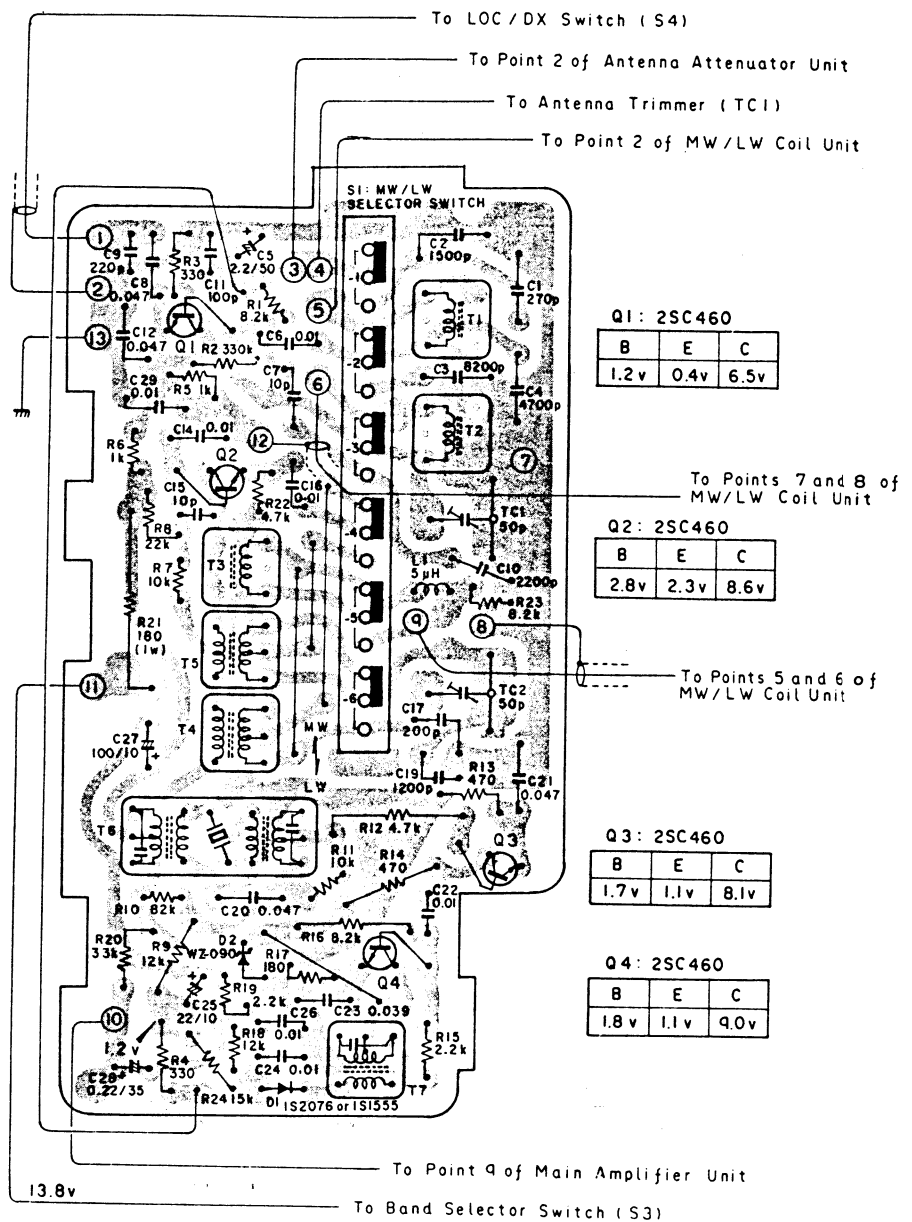
MW TUNER UNIT (CWE-159)(KP-8000)

• Parts Connection



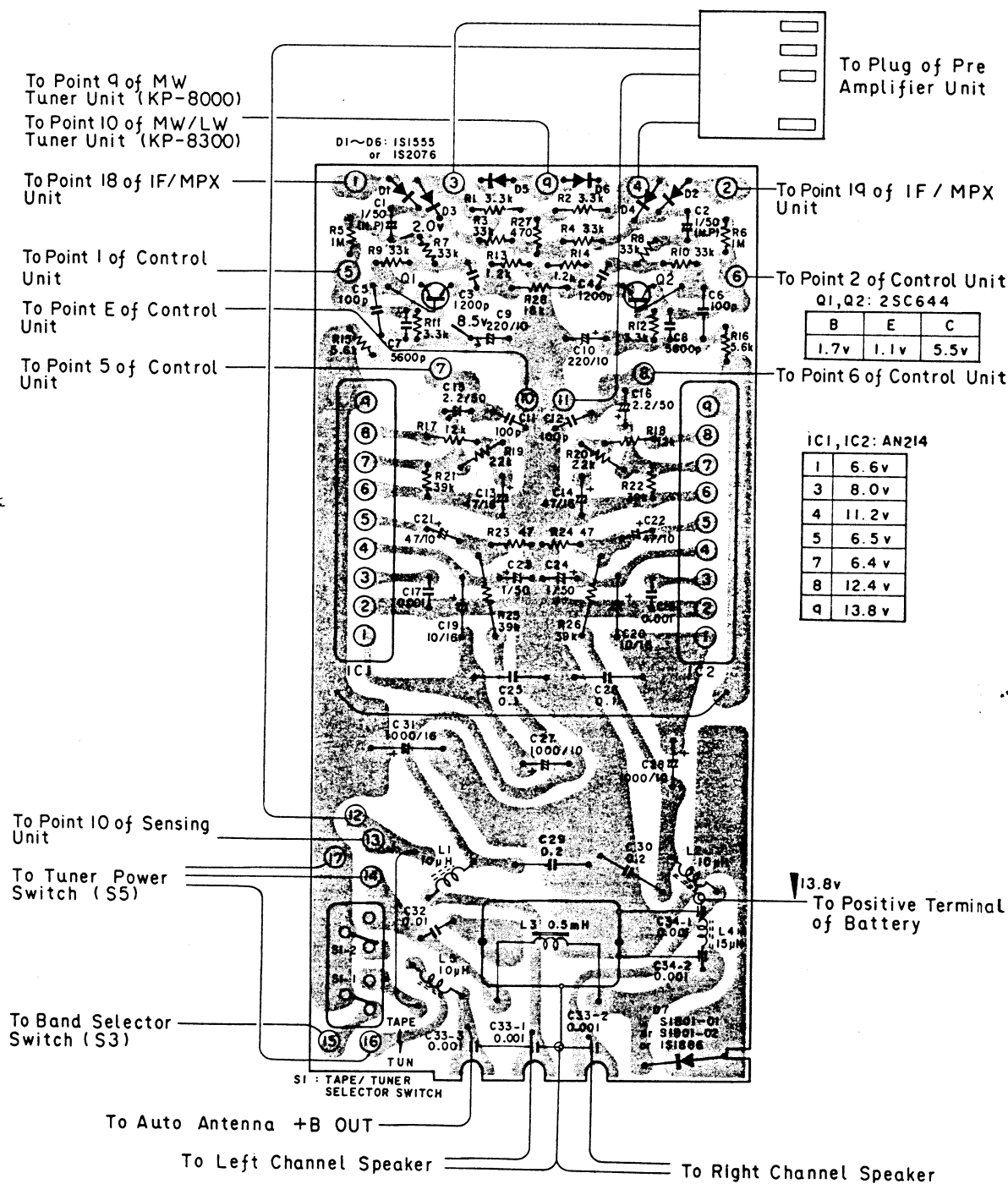
MW/LW TUNER UNIT (CWE-158)(KP-8300)

• Parts Connection



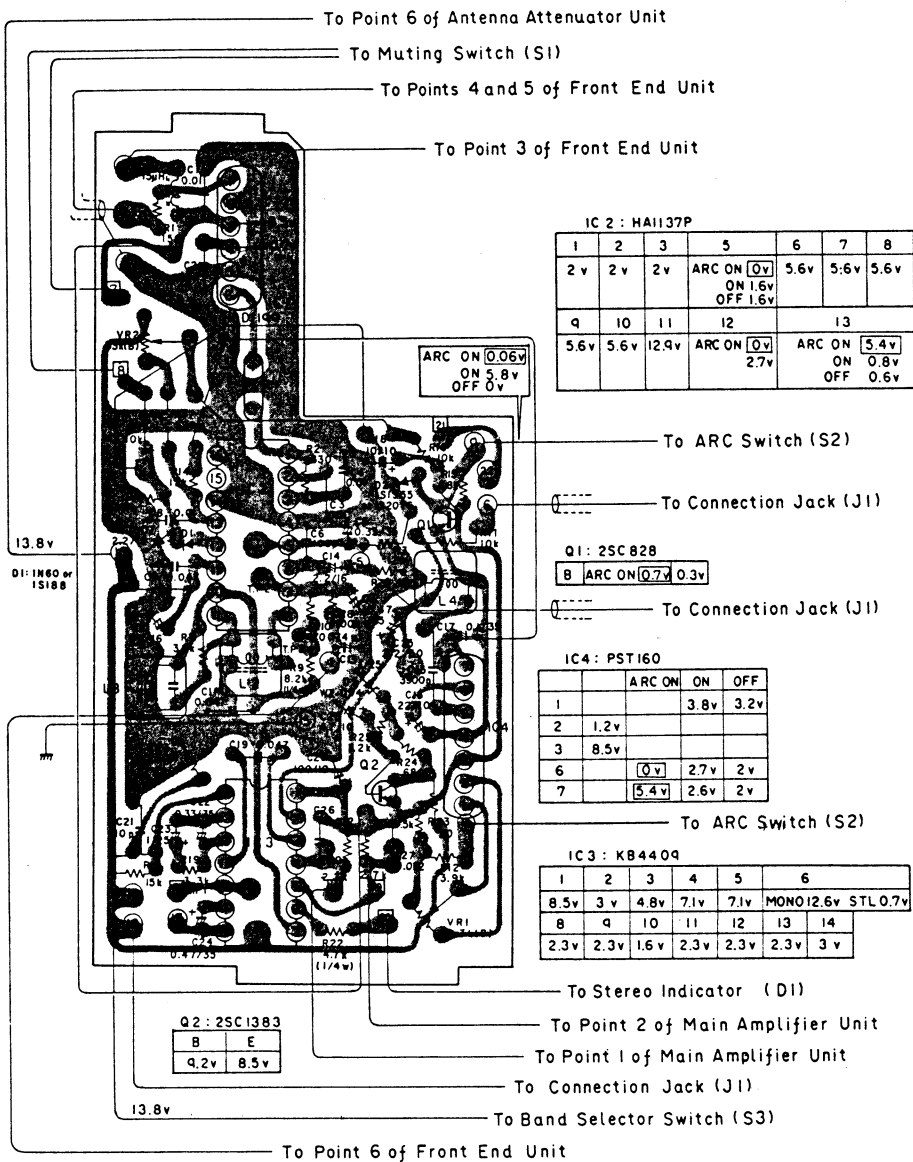
MAIN AMPLIFIER UNIT (CWH-046)

• Parts Connection



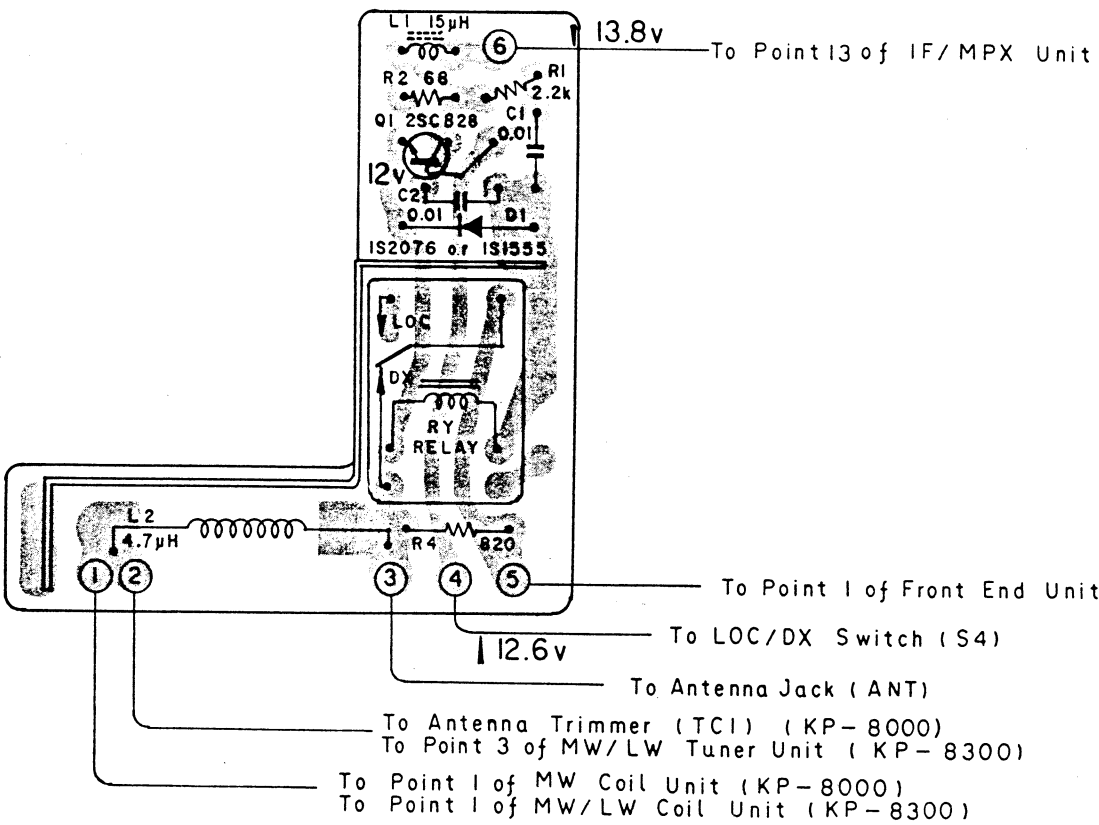
IF/MPX UNIT (CWE-162)

• Parts Connection

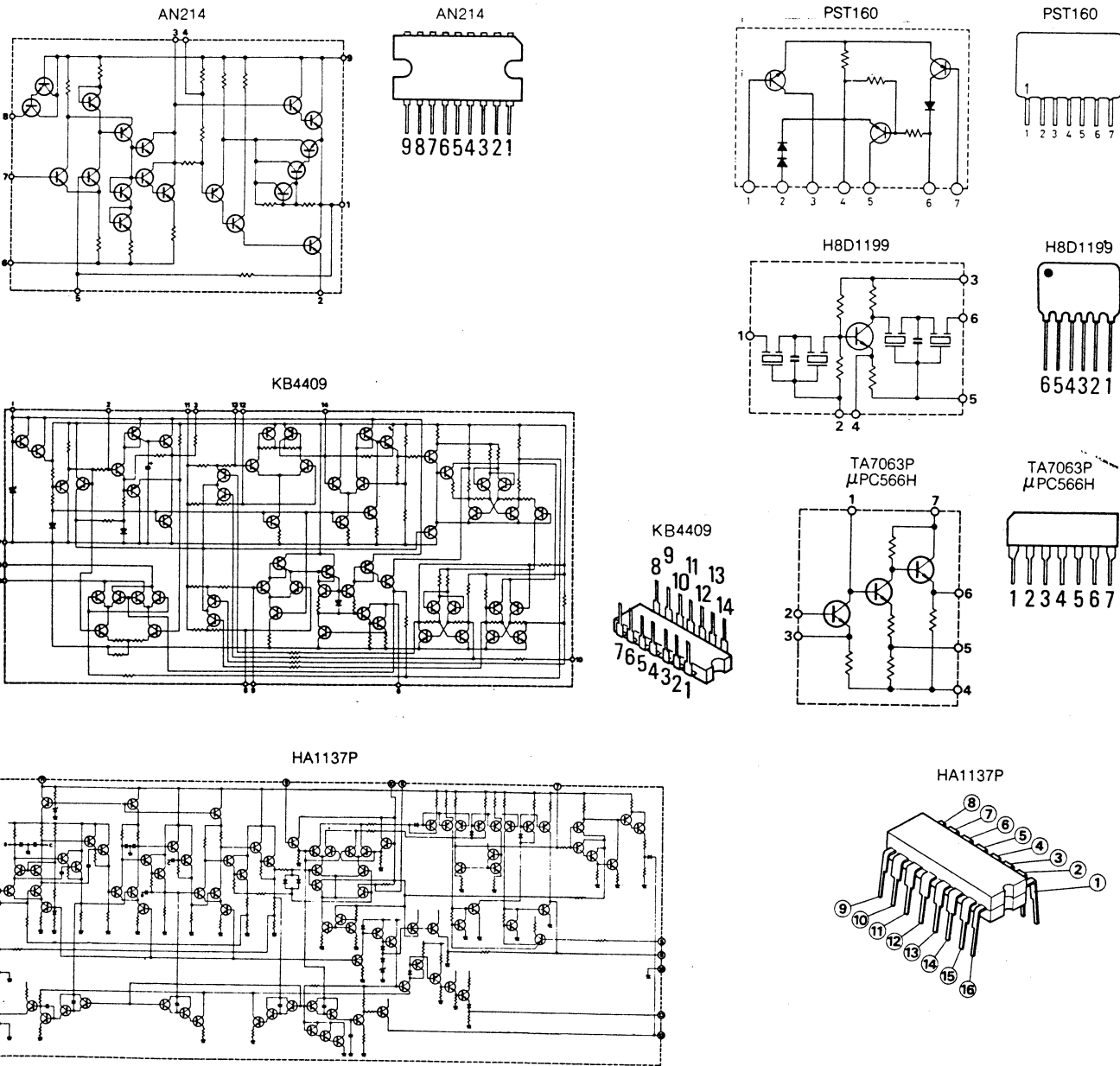
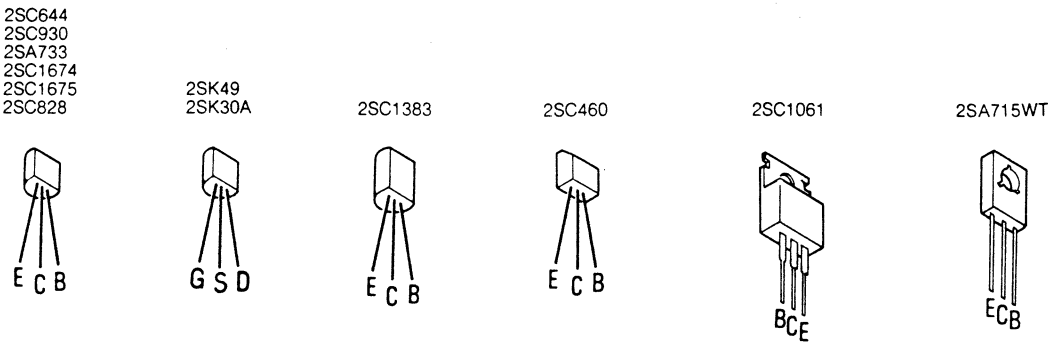


ANTENNA ATTENUATOR UNIT (CWX-210)

• Parts Connection



• IC's and Transistors



CABINET EXPLODED VIEW

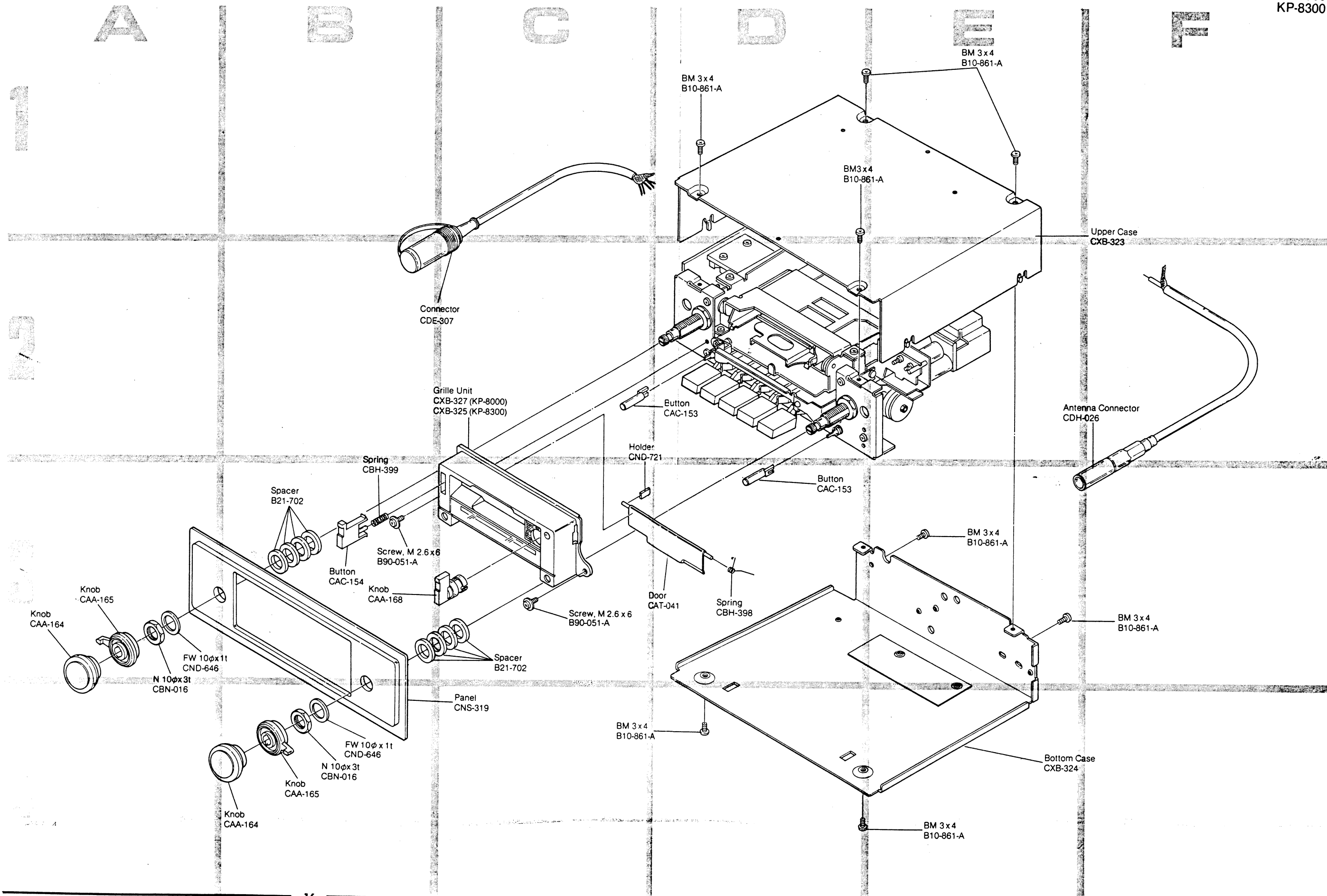
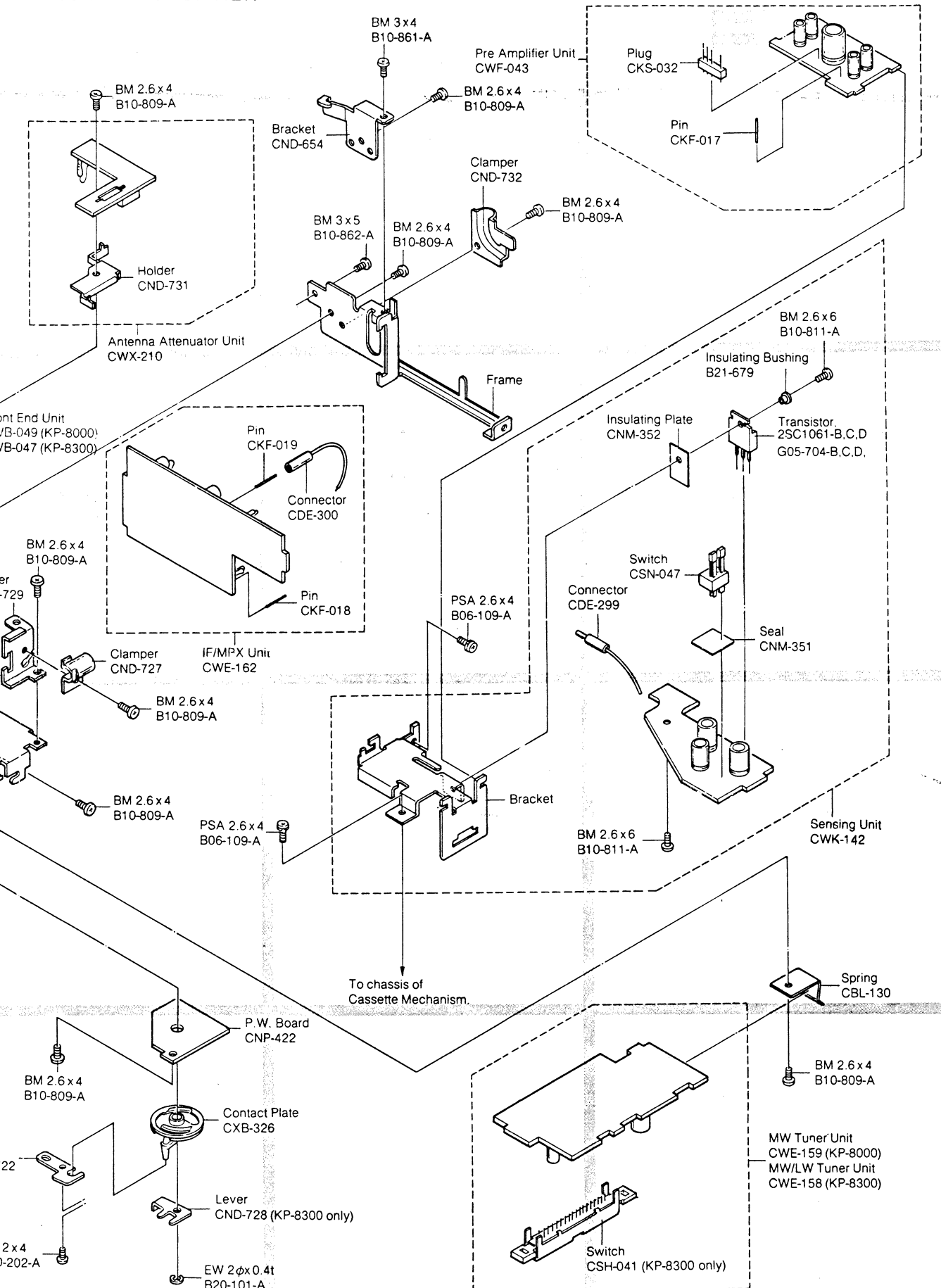


Diagram illustrating the exploded view of a radio chassis, showing various components and their assembly points. Key components labeled include:

- Connectors: CDE-317, CDE-302, CDE-304, CDE-301
- Switches: CSL-003, CSH-066, CSG-065
- Capacitors: CCL-051, CCL-050
- Screws: M 3 x 9 B90-043-B, M 3 x 4 B10-861-A, M 3 x 8 B10-864-A, M 3 x 5 B10-862-A, M 2 x 8 B10-805-A, M 2 x 4 B10-202-A, M 2.6 x 4 B10-809-A, N 10 x 3t CBN-016, N 7 x 2t CBN-003
- Mechanical Components: Clamper CND-723, Bracket, Feed through Capacitor CCL-051, Heat Sink CND-725, Plate CND-476, Main Amplifier Unit CWH-046, Control Unit CWG-036, Volume CCS-124, Volume CCS-123, Antenna Trimmer CCG-022, Tuning Shaft Ass CXB-332, Gear, Lamp Holder CNV-616, LED, TLR-102 G01-604-A, Holder CND-730, Holder CND-906, Holder CND-733, Spring CBH-141, Spring CBH-31, Bracket
- Other Components: Cord CDE-306, Fuse 2A E21-005, Pre-set Tuner CPN-502 (KP-8000) and CPN-501 (KP-8300), Pointer CAF-034, FM Button CAC-142, MW Button CAC-143, LW Button CAC-144 (KP-8300 only), Lamp, 14V 40mA CEL-046, Switch CSG-066, P.W. Board, PM 2 x 4 B10-209-A, PM 2.6 x 4 B10-809-A, Lev CND

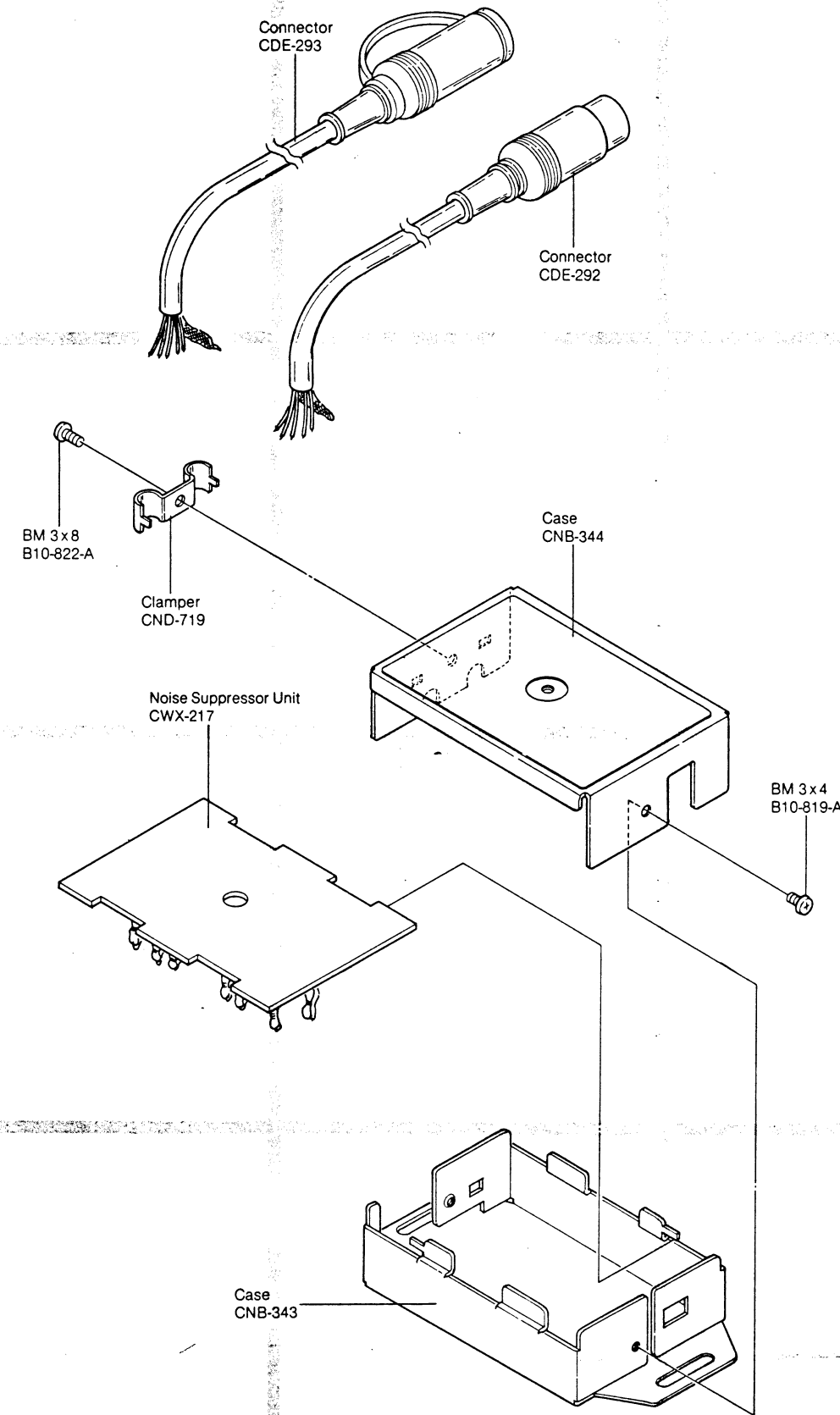
CHASSIS EXPLODED VIEW



NOTICE: Parts whose parts numbers are omitted are subject to being not supplied.

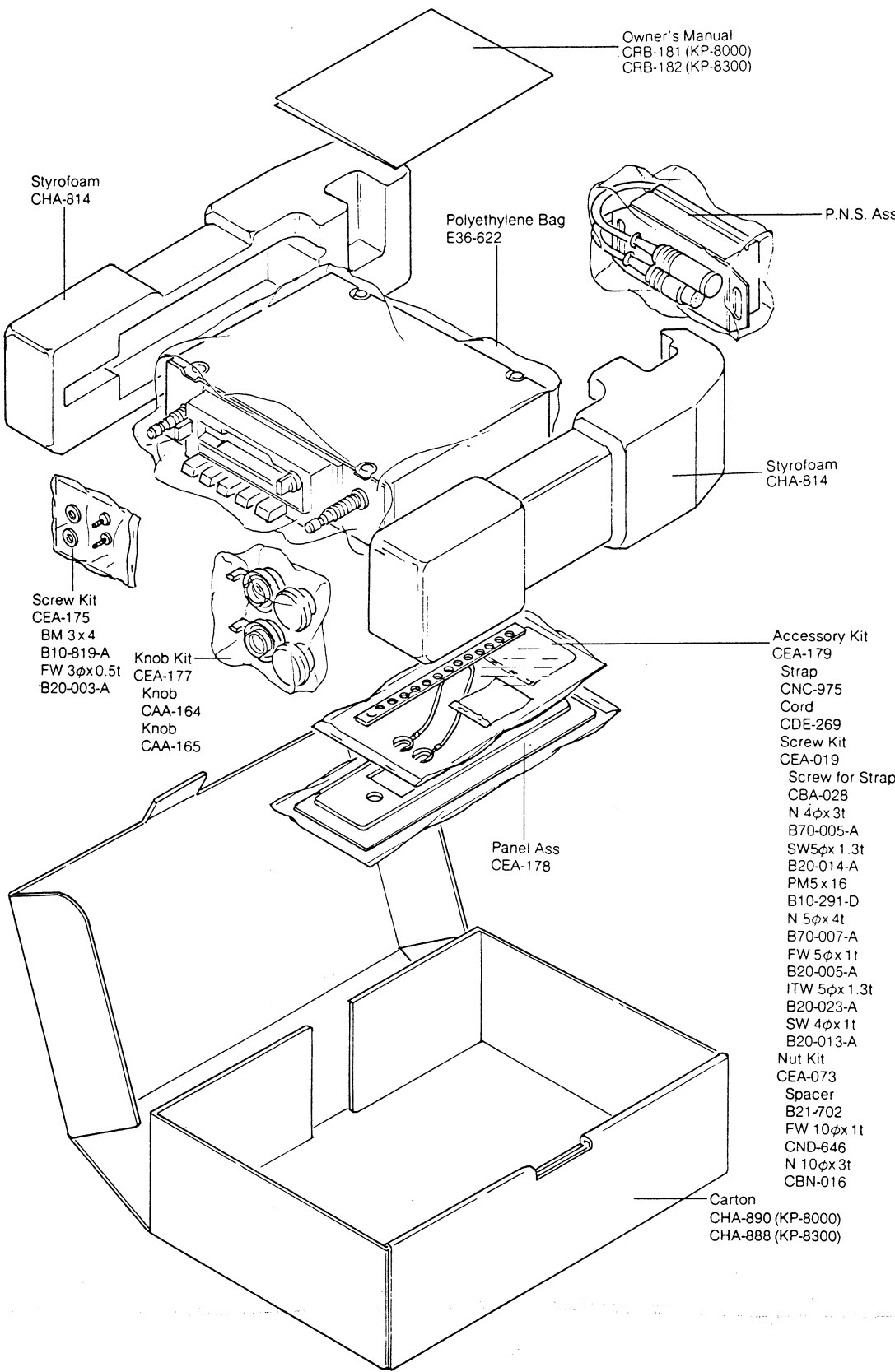
PNS EXPLODED VIEW

KP-8000
KP-8300



PACKING METHOD

NOTICE: Part whose parts number is omitted is subject to being not supplied.



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2
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